# Lez 3 – Feature scaling

## Linear normalization

Every feature vector X is transformed into a vector X’ ranging from 0 to 1.

## Z-score normalization (Standardization)

Every feature vector X distributed according to mean μ and standard deviation σ is distributed into a feature X’ with a mean 0 and standard deviation 1.

## Robust scalar

Every feature vector is transformed into a vector X’

IQR = interquantile range (difference between 1st and 3rd quartile)

Only this transformation contributes to strongly reducing the effects due to outliers, even if it does not eliminate it completely.